In the Claims

1	1. (Currently Amended) A flip-chip light-emitting device, comprising:
2	a transparent substrate comprising a main surface and a surface opposite to said
3	main surface, wherein said surface opposite to said main surface is the light-emitting surface of
4	said device;
5	a semiconductor stacked structure arranged over-a said main surface of said
6	transparent substrate wherein said stacked structure comprises an n-type GaN-based III-V Group
7	compound semiconductor layer adjacent to said main surface and a p-type GaN-based III-V
8	Group compound semiconductor layer adjacent to said n-type semiconductor layer;
9	a first electrode being in electrical contact with said n-type semiconductor layer;
10	and
11	a second electrode being in electrical contact with said p-type semiconductor
12	layer;
13	wherein said second electrode has good reflectivity of light and, covers most of
14	the outer surface of said p-type semiconductor layer and is positioned opposite to said light-
15	emitting surface of said substrate.
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1	2. (Original) The device of Claim 1 wherein said stacked structure further comprises an
2	active layer placed between said n-type semiconductor layer and said p-type semiconductor
3	layer.
1	3. (Original) The device of Claims 1 or 2 further comprising an insulating layer at least
2	coated on the side surface of the stacked structure, a portion of said first electrode and a portion
3	of said second electrode.

1	4. (Original) The device of Claims 1 or 2 further comprising a base which has a first
2	and a second conductive portions respectively connected to said first and second electrodes.
1	5. (Original) The device of Claim 4 wherein said base can be a conductive lead frame, a
2	glass lead frame, a circuit board or a thin-film circuit.
1	6. (Original) The device of Claims 1 or 2 wherein said second electrode is a multi-layer
2	structure comprising a light-transmitting conductive layer and a layer of aluminum (AL) or silver
3	(Ag).
1	7. (Original) The device of Claims 1 or 2 wherein said second electrode is a multi-layer
2	structure of nickel/gold/titanium/ aluminum (Ni/Au/Ti/Al), Indium-Tin Oxide/aluminum
3	(ITO/Al) or Indium-Tin Oxide/silver (ITO/Ag).
. 1	8. (Currently Amended) A flip-chip light-emitting device, comprising:
2	a transparent substrate comprising a main surface and a surface opposite to said
3	main surface, wherein said surface opposite to said main surface is the light-emitting surface of
4	said device;
5	a semiconductor stacked structure arranged over [a] said main surface of said
6	transparent substrate wherein said stacked structure comprises an p-type GaN-based III-V group
7	compound semiconductor layer adjacent to said main surface and a n-type GaN-based III-V
8	Group compound semiconductor layer adjacent to said p-type semiconductor layer;

9	a first electrode being in electrical contact with said n-type semiconductor layer;
10	and
11	a second electrode being in electrical contact with said p-type semiconductor
12	layer;
13	wherein said first electrode has good reflectivity of light-and, and covers most of
14	the outer surface of said n-type semiconductor layer and is positioned opposite to said light-
15	emitting surface of said substrate.
1 2	9 (Original) The device of Claim 8 wherein said stacked structure further comprises an active layer placed between said n-type semiconductor layer said the p-type semiconductor layer.
1	10. (Original) The device of Claims 8 or 9 further comprising an insulating layer at least coated on the side surface of the stacked structure, a portion of said first electrode and a portion
3	of said second electrode.
.1	11. (Original) The device of Claims 8 or 9 further comprising a base which has a first and a second conductive portions respectively connected to said first and second electrodes.
1 2	12. (Original) The device of Claim 11 wherein said base can be a conductive lead frame, a glass lead frame, a circuit board or a thin-film circuit.
1 2	13. (Original) The device of Claims 8 or 9 wherein said second electrode is a multi-layer structure comprising a light-transmitting conductive layer and a layer of aluminum (Al) or silver
3	(Ag).

- 1 14. (Original) The device of Claims 8 or 9 wherein said second electrode is a multi-layer
- 2 structure of titanium/aluminum (Ti/Al), titanium/silver (Ti/Ag), Indium-Tin Oxide/aluminum
- 3 (ITO/Al) or Indium-Tin Oxide/silver (ITO/Ag).